

Message Text

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ORIGIN COME-00

INFO OCT-01 CIAE-00 DODE-00 EB-07 NRC-05 NSAE-00 USIA-06

TRSE-00 EUR-12 ERDA-05 ISO-00 MC-02 EA-07 /045 R

DRAFTED BY COM/OEA CGSEASWORD:EPWALINSKY:BAW

APPROVED BY EB/EWT: RWPRACHT

RPE

----- 083181

P R 302209Z JUL 76

FM SECSTATE WASHDC

TO USMISSION OECD PARIS PRIORITY

INFO AMCONSUL HONG KONG

USLO PEKING

C O N F I D E N T I A L STATE 189599

EXCON

E.O. 11652: XGDS-1

TAGS: ESTC, COCOM, CH

SUBJECT: DRESSER CASE (BEWT 195456): EXPORT OF COMPUTER
SYSTEMS TO PRC - IL 1565

REFS: (A) COCOM DOC. (76)84L; (B) COCOM DOC.(76)922; (C)
COCOM DOC.(75)1108

A) AN INTERDATA 85 MINUS DYNAMIC CONTROL STORE AND MICRO-
PROGRAMMING FEATURES IS AN INTERDATA 80. IT WAS OUR CON-
CERN OVER THESE FEATURES WHICH PROMPTED US TO DELETE THEM
FROM THIS TRANSACTION (REF A). THIS FACTOR PLUS ADDITIONAL
INFO RE NUMBER AND LOCATION OF THE SYSTEMS RECEIVED FROM
DRESSER ON JUNE 9, 1976, AND OUR ASSESSMENT OF THE INTER-
DATA 80 UNDER NOTE 12 PROVISIONS NECESSITATES A LENGTHLY
REVISION OF REF A. WITH COCOM IN RECESS, IT MIGHT BE
SIMPLER TO EXPLAIN THESE CHANGES BY WITHDRAWING REF A AND
SUBMITTING A CORRECTED DOCUMENT OR, AT LEAST, A CORRIGENDUM
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TO REF A. WE NOTE THAT ALL MEMBERS HAVE CONCURRED IN REF A

EXCEPT THE FRENCH AND WE DO NOT WANT TO CREATE THE IMPRESSION THAT THE CORRECTIONS CONSTITUTE A COMPLETELY NEW CASE WHICH NEEDS TO BE CONSIDERED AFRESH. WE LEAVE THIS PROCEDURAL MATTER TO YOUR DISCRETION. WE ALSO WOULD LIKE THE CORRECTED VERSION SUBMITTED UNDER THE URGENCY PROCEDURES OUT LINED IN REG.(73)3, PARAGRAPH 4(B) WITH THE SHORTEST

POSSIBLE REPLY DATE. THE CORRECTED DRESSER SUBMISSION IS AS FOLLOWS:

1) THE UNITED STATES AUTHORITIES HAVE BEEN ASKED TO APPROVE THE EXPORT TO THE PEOPLE'S REPUBLIC OF CHINA OF THE FOLLOWING EQUIPMENT WITH A TOTAL VALUE OF 764,535 DOLLARS AND COVERED BY IL 1565 (D)(1) AND (D)(2);

FOUR INTERDATA 80 COMPUTER SYSTEMS AND ACCESSORIES SHOWN IN ATTACHMENT 1.

2) THIS EQUIPMENT IS CONSIGNED TO THE CHINA PETROLEUM AND GAS EXPLORATION AND DEVELOPMENT CORPORATION, PEKING, FOR INSTALLATION AT TUNGYING, SHANTUNG PROVINCE, AND AT HSIENHSIANG, HONAN PROVINCE, WITH TWO SYSTEMS AT EACH LOCATION OPERATING INDEPENDENTLY OF EACH OTHER (I.E. UNCONNECTED) FOR USE IN OIL EXPLORATION AND DEVELOPMENT, E.G. WELL-LOGGING AND ANALYSIS AND INTERPRETATION OF DATA DERIVED FROM WELL-LOGGING AND PERFORATING EQUIPMENT.

ALL THE EQUIPMENT IS TO BE DELIVERED BEFORE APRIL 30, 1977, BUT THE UNITED STATES AUTHORITIES INTEND TO PERMIT THE INITIAL EXPORT OF ONLY ONE SYSTEM PER SITE AND NOT TO RELEASE THE REMAINING TWO SYSTEMS UNTIL THEY ARE SATISFIED THAT THE FIRST TWO ARE IN PLACE AND ARE FULLY UTILIZED. INASMUCH AS APPROXIMATELY 15 MONTHS IS REQUIRED FOR MANUFACTURING TIME, THE UNITED STATES AUTHORITIES ARE SEEKING THE COMMITTEE'S VIEWS OF THE EXPORT OF THE FOUR SYSTEMS EVEN THOUGH ALL FOUR WILL NOT BE EXPORTED SIMULTANEOUSLY.

3) A COMPARISON OF THE PARAMETERS OF THE INTERDATA 80 SYSTEM WITH THOSE LISTED IN NOTE 12(G) TO IL 1565 AND A BLOCK DIAGRAM OF THE SYSTEM ARE PROVIDED AS ATTACHMENTS 2 AND 3, CONFIDENTIAL

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RESPECTIVELY. A LIST OF INTERDATA 80 INSTRUCTIONS FORMS ATTACHMENT 4.

THE UNITED STATES AUTHORITIES NOTE THAT THE MAXIMUM THEORETICAL CPU BUS RATE OF THE INTERDATA 80 WITH INTERLEAVED MEMORIES IS 66.6 MB/S BASED ON TRANSFERRING 16 BITS EVERY 240 NANoseconds. HOWEVER, THIS THEORETICAL RATE CANNOT BE ACHIEVED OWING TO THE SLOWER OPERATING RATE OF THE CPU

WHICH CAN TRANSFER ONLY 32 BITS EVERY 530 NANoseconds FOR AN ACTUAL RATE OF 60.4 MB/S PER THE DEFINITION OF NOTE 16 (A). A LIST OF INTERDATA 80 MINIMUM EXECUTION TIMES AND THE MEMORY-TO-REGISTER INSTRUCTIONS WHOSE EXECUTION TIMES WHERE USED IN COMPUTING THE PDR ARE GIVEN IN ATTACHMENT 4.

THE UNITED STATES AUTHORITIES FURTHER NOTE THAT THE FIXED

POINT ADDITIONS OF THE INTERDATA 80 ARE LIMITED TO 16-BIT OPERANDS AND ARE EXECUTED AT A SINGLE RATE OF 1.01 MICRO-SECONDS PER OPERATION. THE EXECUTION TIMES (IN MICRO-SECONDS) FOR 32 BITS FLOATING POINT OPERATIONS ARE:

	MINIMUM	MAXIMUM	TYPICAL
FLOATING POINT ADD:	11.41	22.41	13.01
FLOATING POINT MULTIPLY:	23.99	25.13	23.99

THE DIFFERENCES BETWEEN THE MINIMUM AND MAXIMUM TIMES ARE A RESULT ONLY OF THE VARIABLE PRE AND POST NORMALIZATION SHIFTING REQUIRED FOR FLOATING POINT OPERANDS. BASED ON THE TYPICAL EXECUTION TIMES OF 13.01 AND 23.99 MICRO-SECONDS FOR THE FLOATING POINT INSTRUCTIONS, A FIXED POINT ADD TIME OF 1.01 MICROSECONDS, AND AN INSTRUCTION WORD LENGTH OF 32 BITS, THE PDR OF THE INTERDATA 80 IS 12.5 MB/S. DATA USED IN THE COMPUTATION OF THE CPU BUS RATE AND THE PDR WERE OBTAINED FROM THE MANUFACTURER'S DESIGN STAFF.

4) THE UNITED STATES AUTHORITIES NOTE THAT THE TECHNICAL CHARACTERISTICS OF EACH OF THE SUBJECT INTERDATA 80'S FALL BELOW THE PARAMETERS SET FORTH IN PARAGRAPH (H)(1) TO NOTE 12 EXCEPT THAT THE BUS RATE EXCEEDS THE LIMIT OF 60 MB/S BY ONLY 0.4 MB/S. UNDER THESE CIRCUMSTANCES, THE CONFIDENTIAL

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UNITED STATES AUTHORITIES FEEL JUSTIFIED IN REGARDING THE SUBJECT INTERDATA 80 SYSTEMS AS MEETING THE CONDITIONS OF PARAGRAPH (H)(1). ACCORDINGLY, THEY ARE PREPARED TO WAIVE THE DOCUMENTATION AND VISITATION/REPORTING REQUIREMENTS OF PARAGRAPHS (D) AND (E). NO MORE THAN A SIX-MONTH SUPPLY OF SPARE PARTS, HOWEVER, WILL BE ALLOWED TO ACCUMULATE AT THE COMPUTER SITES AT ANY ONE TIME.

5) THE UNITED STATES AUTHORITIES CONSIDER THIS EXPORT REASONABLE AND APPROPRIATE FOR THE STATED END-USE. THEY WISH TO APPROVE IT UNDER NOTE 12 (H)(1) AND WOULD APPRECIATE THE VIEWS OF MEMBER GOVERNMENTS. THE UNITED STATES AUTHORITIES ARE INVOKING THE URGENCY PROCEDURE SO THAT THE APPLICANT MAY FINISH ITS MANUFACTURING ACTIVITIES BEFORE THE CONTRACTUAL DEADLINE AND THEREBY AVOID PAYING

PENALTIES.

B) THE ATTACHMENTS FOR THE REVISED DRESSER CASE ARE BEING AIRMAILED BY COMMERCE.

C) YOU MAY INFORM THE FRENCH BILATERALLY, OR THE COMMITTEE AS A WHOLE, THAT WE WILL NOT LICENSE THE EXPORT OF ANY

ENHANCEMENTS FOR THESE SYSTEMS WHICH REQUIRE PRIOR COMMITTEE CONCURRENCE WITHOUT FIRST CONSULTING MEMBER GOVERNMENTS.

IN THE SAFEGUARD AREA, YOU MAY ALSO NOTE THAT REPRESENTATIVES OF THE US SUPPLIER WILL BE ON HAND FOR THE INSTALLATION OF THE INTERDATA 80'S AS WELL AS TRAIN THE CHINESE TECHNICIANS. ANOTHER SAFEGUARD FEATURE IS THE END-USE STATEMENT SIGNED BY THE CHINESE WE SUBMITTED ALONG WITH REF. A.

D)(FYI): WE BELIEVE THIS REVISED SUBMISSION WILL ANSWER THE QUESTIONS RAISED BY THE JAPANESE IN PARA 11 OF REF B. WE ARE NOT SANGUINE, HOWEVER, WHETHER IT WILL SATISFY THE FRENCH, PARTICULARLY IN REGARD TO WHEN DOES ONE SUM THE BUS RATES COMBINE PROCESSING DATA RATES, OR HOW DOES THE US RATIONALIZE IMPOSING REPORTING/VISITATION REQUIREMENTS ON AD HOC CASES SUBMITTED OUTSIDE THE NOTE 12 FRAMEWORK. CONFIDENTIAL

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WE WOULD PREFER TO DELAY ADDRESSING THOSE QUESTIONS UNTIL A US DECISION HAS BEEN MADE ON THE CYBER 172 CASE (REF C). (THE CYBER 172 CASE IS STILL UNDER CONSIDERATION AT HIGH USG LEVELS.) WE HOPE THAT THIS CORRECTED SUBMISSION WILL PERMIT THE FRENCH TO APPROVE THIS CASE. IF NOT, WE HOPE TO PLACE THE FRENCH IN AN AWKWARD POSITION IF THEY CONTINUE TO RESERVE OR OBJECT TO THIS CASE ON THE BASIS THAT THE BUS RATE OF 60.4 MB/S EXCEED THE LIMIT OF 60 IN NOTE 12(H) (1). WE WOULD POINT OUT THAT THE FRENCH WANT TO CONSIDER THE IRID-80 UNDER NOTE 12 EVEN THOUGH THEY HAVE INDICATED IN THEIR LETTER TO YOU (APRIL 18, 1975) THAT THE PDR IS 32.6 VS. A CUT-OFF OF 32 IN NOTE 12(G)(2). (END FYI). KISSINGER

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Message Attributes

Automatic Decaptioning: X
Capture Date: 01 JAN 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: STRATEGIC TRADE CONTROLS, EXCEPTIONS LIST, COMPUTERS, TRANSACTION CHECKS
Control Number: n/a
Copy: SINGLE
Draft Date: 30 JUL 1976
Decaption Date: 01 JAN 1960
Decaption Note:
Disposition Action: RELEASED
Disposition Approved on Date:
Disposition Authority: KelleyW0
Disposition Case Number: n/a
Disposition Comment: 25 YEAR REVIEW
Disposition Date: 28 MAY 2004
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1976STATE189599
Document Source: CORE
Document Unique ID: 00
Drafter: EPWALINSKY:BAW
Enclosure: n/a
Executive Order: X1
Errors: N/A
Film Number: D760295-0885
From: STATE
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1976/newtext/t1976073/aaaaabzc.tel
Line Count: 213
Locator: TEXT ON-LINE, ON MICROFILM
Office: ORIGIN COME
Original Classification: CONFIDENTIAL
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 4
Previous Channel Indicators: n/a
Previous Classification: CONFIDENTIAL
Previous Handling Restrictions: n/a
Reference: n/a
Review Action: RELEASED, APPROVED
Review Authority: KelleyW0
Review Comment: n/a
Review Content Flags:
Review Date: 21 APR 2004
Review Event:
Review Exemptions: n/a
Review History: RELEASED <21 APR 2004 by CunninFX>; APPROVED <13 SEP 2004 by KelleyW0>
Review Markings:

Margaret P. Grafeld
Declassified/Released
US Department of State
EO Systematic Review
04 MAY 2006

Review Media Identifier:
Review Referrals: n/a
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
Secure: OPEN
Status: NATIVE
Subject: DRESSER CASE (BEWT 195456): EXPORT OF COMPUTER SYSTEMS TO PRC - IL 1565
TAGS: ESTC, CH, COCOM
To: OECD PARIS
Type: TE
Markings: Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 04 MAY 2006